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Notice of Allowability	Application No.	Applicant(s)	
	10/074,569	KOVARSKY, NICOLAY	
	Examiner	Art Unit	* 0
	Arun S. Phasge	1753	
			<u> </u>
The MAILING DATE of this communication app All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85 NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT F of the Office or upon petition by the applicant. See 37 CFR 1.31	S (OR REMAINS) CLOSED i i) or other appropriate comm RIGHTS. This application is	n this application. If not included unication will be mailed in due cour	rse THIS
1. X This communication is responsive to amendment filed 9/2	20/04.		
2. X The allowed claim(s) is/are <u>1-5,7-25,28-35,38-47 and 49-</u>	<u>58</u> .		
3. \boxtimes The drawings filed on $\underline{9/20/04}$ are accepted by the Exami	ner.		
 4. ☐ Acknowledgment is made of a claim for foreign priority to a) ☐ All b) ☐ Some* c) ☐ None of the: 1. ☐ Certified copies of the priority documents have 		or (f).	
2. ☐ Certified copies of the priority documents have		on No	
Copies of the certified copies of the priority decline is not all the priority declined copies.		· · · · · · · · · · · · · · · · · · ·	from the
International Bureau (PCT Rule 17.2(a)).	ocuments have been receive	d in this national stage application	Hom the
* Certified copies not received:			
Applicant has THREE MONTHS FROM THE "MAILING DATE noted below. Failure to timely comply will result in ABANDONI THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		e a reply complying with the require	ments
5. A SUBSTITUTE OATH OR DECLARATION must be subr INFORMAL PATENT APPLICATION (PTO-152) which give	nitted. Note the attached EX ves reason(s) why the oath o	AMINER'S AMENDMENT or NOTION of the control of the	CE OF
6. CORRECTED DRAWINGS (as "replacement sheets") mu	st be submitted.		
(a) including changes required by the Notice of Draftsper		w (PTO-948) attached	ş
1) ☐ hereto or 2) ☐ to Paper No./Mail Date	_:		
(b) ☐ including changes required by the attached Examiner Paper No./Mail Date	's Amendment / Comment o	r in the Office action of	
Identifying indicia such as the application number (see 37 CFR each sheet. Replacement sheet(s) should be labeled as such in	1.84(c)) should be written on t the header according to 37 CF	he drawings in the front (not the bacl FR 1.121(d).	k) of
 DEPOSIT OF and/or INFORMATION about the deposit attached Examiner's comment regarding REQUIREMENT 	DISIT OF BIOLOGICAL MATE FOR THE DEPOSIT OF BIO	ERIAL must be submitted. Note DLOGICAL MATERIAL.	the
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Attachment(s)			
1. ☐ Notice of References Cited (PTO-892)	5. Notice of In	formal Patent Application (PTO-15	2)
2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)		ummary (PTO-413),	
 Information Disclosure Statements (PTO-1449 or PTO/SB/ Paper No./Mail Date 		/Mail Date Amendment/Comment	
4. Examiner's Comment Regarding Requirement for Deposit	8. 🗌 Examiner's	Statement of Reasons for Allowand	ce
of Biological Material	9. 🗌 Other	·	

Application/Control Number: 10/074,569

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REASONS FOR ALLOWANCE

The following is an examiner's statement of reasons for allowance: none of the prior art of record fairly discloses or renders obvious the claimed method and apparatus for the maintenance of the copper plating solution comprising supplying an electrolyte solution to a copper plating cell, plating copper and removing the used electrolyte solution from the plating cell and refreshing a portion of the plating solution with an electrodialysis cell, said cell having anode and cathode and at least one concentration chamber.

As stated in the response the reference does not disclose the plating onto a semiconductor substrate. Additionally, the solution refreshed by the Oka patent would not be the same solution refreshed by the present application, since there is no concentration of copper sulfate in the concentration compartment, rather the sulfate ions are removed from the copper-plating bath along with formate ions.

With respect to the obvious type double patenting claims, applicants argue that a two-way obviousness was not shown. A two-way obviousness is not required in the making of a provisional rejection between two application, that one was filed earlier is not relevant. In any event, it is proper when the only rejection outstanding is an obviousness type double patenting to allow one of the applications

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(here the first filed application), while a rejection should be made in the copending application.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Arun S. Phasge whose telephone number is (571) 272-1345. The examiner can normally be reached on MONDAY-THURSDAY, 7:30-6:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nam X Nguyen can be reached on (571) 272-1342. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Arun S. Phasge

Primary Examiner

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